

# Technical Data Sheet

Product name	Zinc Oxide ( KS-1 special grade )
Chemical formula	ZnO
Appearance	White Powder
Storage	Keep in tightly closed. Keep in a cool, well - ventilated area. Do not store above 25°C
Packing unit	20Kg Craft Wrapping paper, 500Kg Poly Propylene Woven Bag It is possible to control the bag size on their customer needs
characteristics & Application	ZnO has high refractive index, good thermal, binding, antibacterial and UV-protection properties. Consequently, It is added into various materials, including plastics, ceramics, glass, cement, rubber, lubricants, paints, adhesive, sealants, pigments, foods, batteries, ferrites, fire retardants, etc.

## CHEMICAL ANALYSIS

ITEM	UNIT	SPECIFICATION	ANALYTIC METHODS
ZnO	wt.%	99.5 Min	KS M 6551 ASTM D 3280
Pb	wt.%	0.005 Max	KS M 0016(ICP-AES) ASTM D 4075
Cd	wt.%	0.002 Max	
Fe	wt.%	-- Max	
Moisture (105°C×2hrs)	wt.%	0.30 Max	KS M 6551 ASTM D 280
Sieve Residue (+ 325 mesh)	wt.%	0.10 Max	KS M 6551 ASTM D 4315
Water Soluble	wt.%	0.10 Max	KS M 6551
Sp. Gravity	--	5.47~5.61	KS M 0004
Particle Size	μm	D(0.5) : 0.75~1.3	ISO 13320-1
BET(Surface Area)	m <sup>2</sup> /g	3.0~6.0	ISO 9277:2010 ASTM C 1251:95

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